

### REMARKS

In response to the above-noted Office Action, Applicant has amended Claim 1, deleting "optionally" as suggested by the Examiner. In addition, Applicant has amended the claim dependencies in claims 3-14 and 16-25. Although no objection was made, Applicant notes that the claims were in improper multiple dependent claim form prior to the amendment. Claims 26-31 were added to replace certain claim dependencies deleted by this amendment. Additionally, Applicant has amended Claim 4 by replacing the formula for calculating  $X_r$  and  $Y_r$  with a new formula which is larger and easy to read. Applicant submits that the formula presented does not add new matter and has simply been enlarged for easier reading as suggested by the Examiner. Approval is requested.

In response to the Examiner's statement "on pages 5 and 20 the formula for calculating  $X_r$  and  $Y_r$  are printed too small to be read," Applicant submits that the formulas presented do not add new matter but each has simply been enlarged for easier reading as suggested by the Examiner. Approval is requested.

In view of the foregoing, it is submitted that all outstanding requirements have been complied with and the claims pending for examination, namely claims 1 - 31 are now in condition for allowance, which early action is requested.

If there are any fees due in connection with the filing of this response, please charge those fees to our Deposit Account No. 02-2666. If a telephone interview would expedite the prosecution of this Application, the Examiner is invited to contact the undersigned at (310) 207-3800.

### PETITION FOR EXTENSION OF TIME

Per 37 C.F.R. 1.136(a) and in connection with the Office Action mailed on MONDAY, JULY 9, 2004, Applicant respectfully petitions Commissioner for a one (1) month extension of time, extending the period for response to MONDAY, OCTOBER 9, 2004. Attached is a check in the amount of \$55 to cover the petition filing fee for a 37 C.F.R. 1.17(a)(1) small entity. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

BLAKELY, SOKOLOFF, TAYLOR, & ZAFMAN

Dated:

10/4/04

By:

Eric S. Hyman, Reg. No. 30,139

12400 Wilshire Boulevard  
Seventh Floor  
Los Angeles, California 90025  
(310) 207-3800

#### CERTIFICATE OF MAILING:

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class Mail With Sufficient Postage, In An Envelope Addressed To: Mail Stop Amendments, Commissioner For Patents, P.O. Box 1450, Alexandria, VA 22313-1450  
Linda Marie DELIA October 4, 2004 10/4/04

## IN THE ABSTRACT

Please add the following paragraph on a separate sheet following the claims as attached hereto.

### Abstract of the Disclosure

A device for acquiring the position co-ordinates of a source of mechanical waves optionally generated by impacting the surface of a plate (PLQ) of finite dimensions. A set of acoustic sensors (PZT00 to PZT11) each formed by a pair of piezoelectric transducers (PZTa, PZTb) face each other on either side of the plate. The device includes a processor for determining the co-ordinates of the source by analyzing the difference in propagation time of the acoustic waves generated by the source to the different sensors. The processor combined with each sensor (PZT00 to PZT11) provides a respective electronic circuit which includes a digitized mounted in cascade for digitizing the amplified signal around a predetermined frequency, and a mechanism for limiting the digitization to a time window starting before the acoustic waves reach a sensor and ending when the acoustic waves have reached said sensor.